

CSS ENVIRONMENTAL SERVICES, INC 100 Galli Drive, Suite 1 Novato, CA 94949 (415) 883-6203 Fax (415) 883-6204

February 23, 2006

Mr. Dale Radford, PE Sonoma County Department of Health Services Environmental Health Division 475 Aviation Blvd, Suite 220 Santa Rosa, CA 95403

Subject: Third Quarter 2005

**Groundwater Monitoring Report** 

Rental Center Properties 5500 Commerce Boulevard Rohnert Park, California CSS Project No. 6107

**SCDHS-EHD Site #00001039** 

Dear Mr. Radford:

CSS Environmental Services, Inc. (CSS) is pleased to submit the Third Quarter 2005 Groundwater Monitoring Report for the property located at 5500 Commerce Boulevard, Rohnert Park, California.

If you have questions or comments, please call me at (415) 457-9551.

Sincerely,

CSS ENVIRONMENTAL SERVICES, INC.

Terrance E. Carter, REA Senior Project Manager

cc: Ms Beth Swaney – Rental Center Properties

**Enclosures** 

# THIRD QUARTER 2005 GROUNDWATER MONITORING REPORT

Rental Center Properties 5500 Commerce Boulevard Rohnert Park, California CSS Project No. 6107

# Prepared for:

Rental Center Properties 3000-B Dutton Avenue Santa Rosa, CA 95407

# Prepared by:

CSS ENVIRONMENTAL SERVICES, INC. 100 Galli Drive, Suite 1 Novato, California 94949

February 23, 2006

Aaron N. Stessman, PE REA

Principal Engineer

Terrance Carter, REA Senior Environmental Engineer Project Manager

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# 1.0 Introduction

CSS Environmental Services, Inc. (CSS) is providing the results of groundwater monitoring activities to the Sonoma County Department of Health Services – Environmental Health Division (SCEHD) conducted during the third quarter 2005 at 5500 Commerce Boulevard, Rohnert Park, California. Detailed background site information may be found in quarterly reports available at the SCEHD offices. The location of the facility is presented on Figure 1. Figure 2 presents site features including the location of the permanent groundwater monitoring wells.

# 1.1 Summary of Activities and Correspondence – Third Quarter 2005

The following tasks were performed at the site during the third quarter 2005:

- Groundwater elevation measurements and routine groundwater monitoring samples were collected from site monitoring wells on September 20, 2005. Groundwater sample laboratory analytical results of samples collected are presented in Table 1. Groundwater elevation measurements are presented in Table 2. The laboratory analytical reports are provided in Appendix A.
- CSS submitted the groundwater samples to a state of California certified analytical testing laboratory for total petroleum hydrocarbons as gasoline (TPH-G); benzene, toluene, ethyl benzene, total xylenes (BTEX); total petroleum hydrocarbons as diesel (TPH-D); the fuel oxygenate methyl tert butyl ether (MTBE).

# 2.0 GROUNDWATER MONITORING - THIRD QUARTER 2005

# 2.1 Groundwater Elevation Monitoring

Depths to groundwater for site wells MW-1, MW-2, and MW-3 were measured on September 20, 2005. Groundwater elevations are provided in Table 2 and on Figure 4. Based on groundwater elevation measurements taken from site wells on September 20th, the direction of shallow groundwater flow is southwesterly at a shallow approximate gradient of 0.001 feet per foot (ft/ft).

# 2.2 Groundwater Sample Collection and Handling Protocol

Prior to collecting groundwater samples from the site monitoring wells, the wells were purged until pH, conductivity, and temperature levels stabilized. Approximately four well casing volumes were purged from each well. Purging and sampling were performed using disposable bailers.

The numbers and types of sample containers used for each sample collected were in accordance with the analytical laboratory requirements and EPA protocol. All sample bottles were precleaned by the supplier according to EPA protocols. To prevent cross contamination of groundwater samples by the sampling equipment, all reusable sampling equipment was washed with an Alconox solution; triple rinsed with purified water, and allowed to air dry prior to each use. Sample containers were labeled with sample number, project number, date, and the initials of the person collecting the sample. The samples were placed in a cooler with bagged ice immediately following collection, and remained in the cooler until refrigerated at CSS's offices. Appropriate chain-of-custody forms were used for all samples. STL San Francisco (STL), of Pleasanton, California, analyzed the groundwater samples collected from the monitoring wells. The California Department of Health Services (DHS) certifies STL. Quality assurance documentation accompanied all analytical reports generated by the laboratory.

# 2.3 Groundwater Sample Analytical Results

Analytical data for groundwater samples collected from the site's groundwater monitoring wells is presented in Table 1 and shown on Figure 3. Signed laboratory analytical reports and chain-of-custody documentation are presented in Appendix A.

During the third quarter 2005 groundwater sampling event, detections of TPH-D and TPH-G were not found in groundwater monitoring wells above the laboratory's reporting limit. Further, BTEX compounds were not found in any of the wells sampled this quarter. The fuel oxygenate MTBE was detected in groundwater monitoring well MW-1 at 32 *ug*/L. Wells MW-2 and MW-3 had no detections of MTBE this quarter.

# 3.0 SUMMARY OF ACTIVITIES FOR FOURTH QUARTER 2005

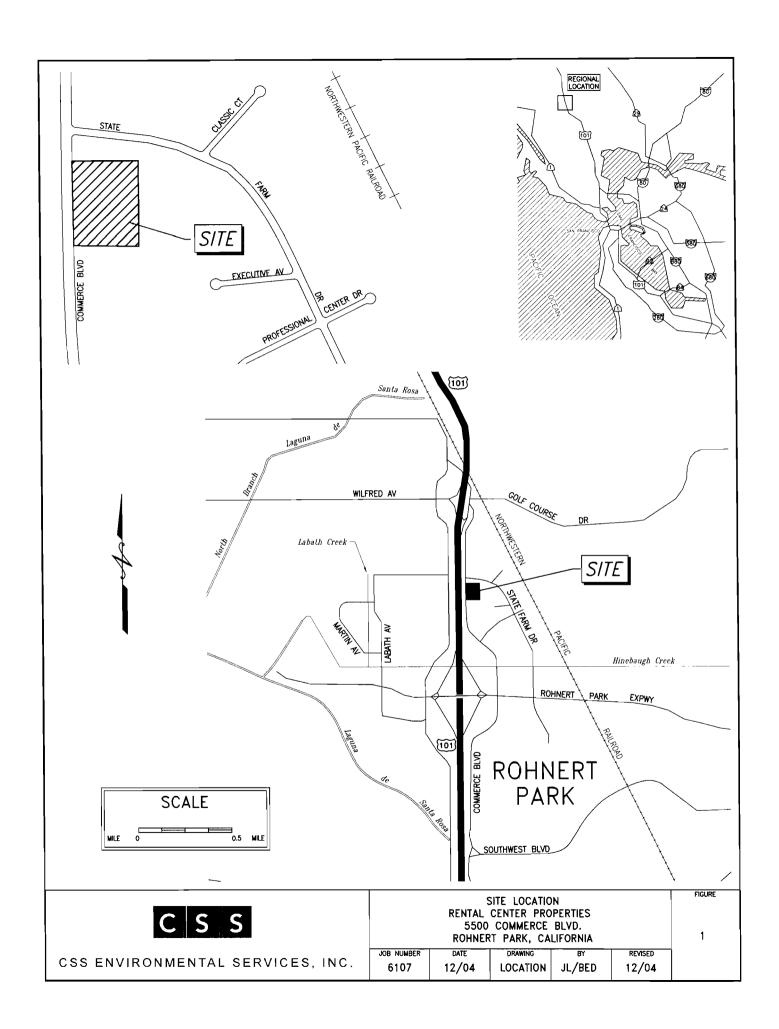
The following activities are planned for the fourth quarter 2005:

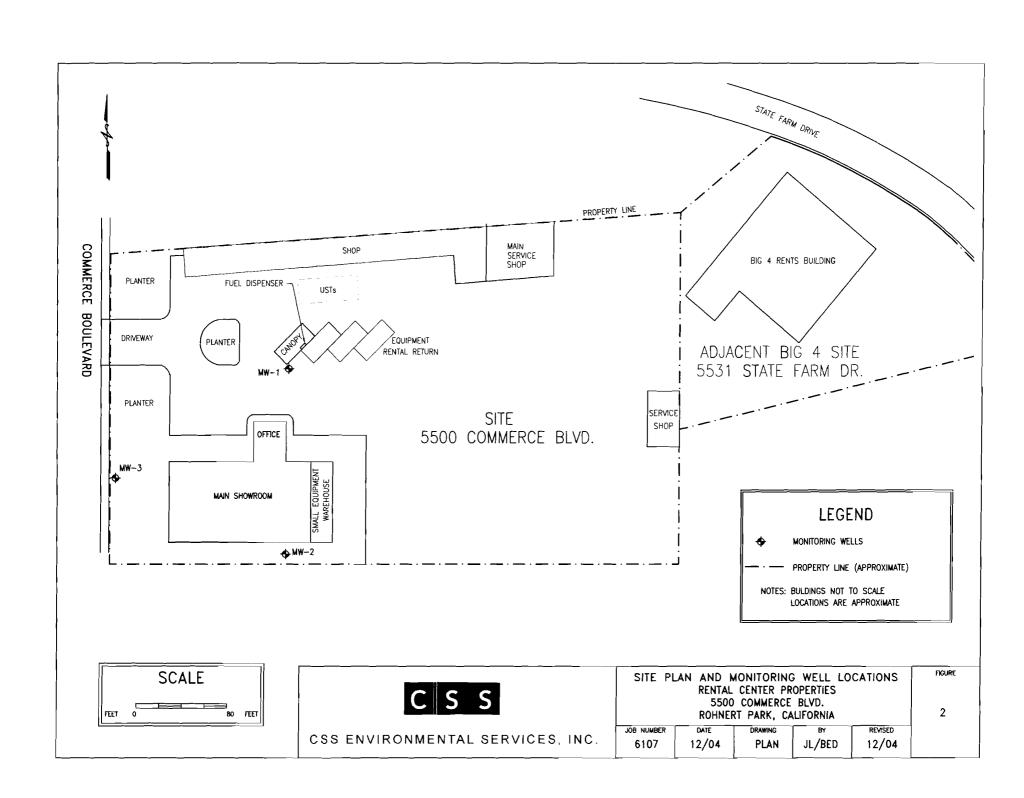
- CSS has completed activities outlined in the approved Feasibility Study/Corrective Action Plan (FS/CAP). The FS/CAP activities will comply with the scope of work put forth in Section 2725, Article 11, Title 23 of the California Code of Regulations (CCR). The results will be provided in the fourth quarter groundwater monitoring report.
- Groundwater elevations and samples will be collected from the site monitoring wells.
- In accordance with the SCEHD "*Notice to Environmental Consultants*," dated January 21, 2005, the third quarter 2005 report will be submitted electronically to the State Geotracker database as required by Title 23, Division 3, Chapter 30, Article 2, Sections 3890-3895 of the CCR.

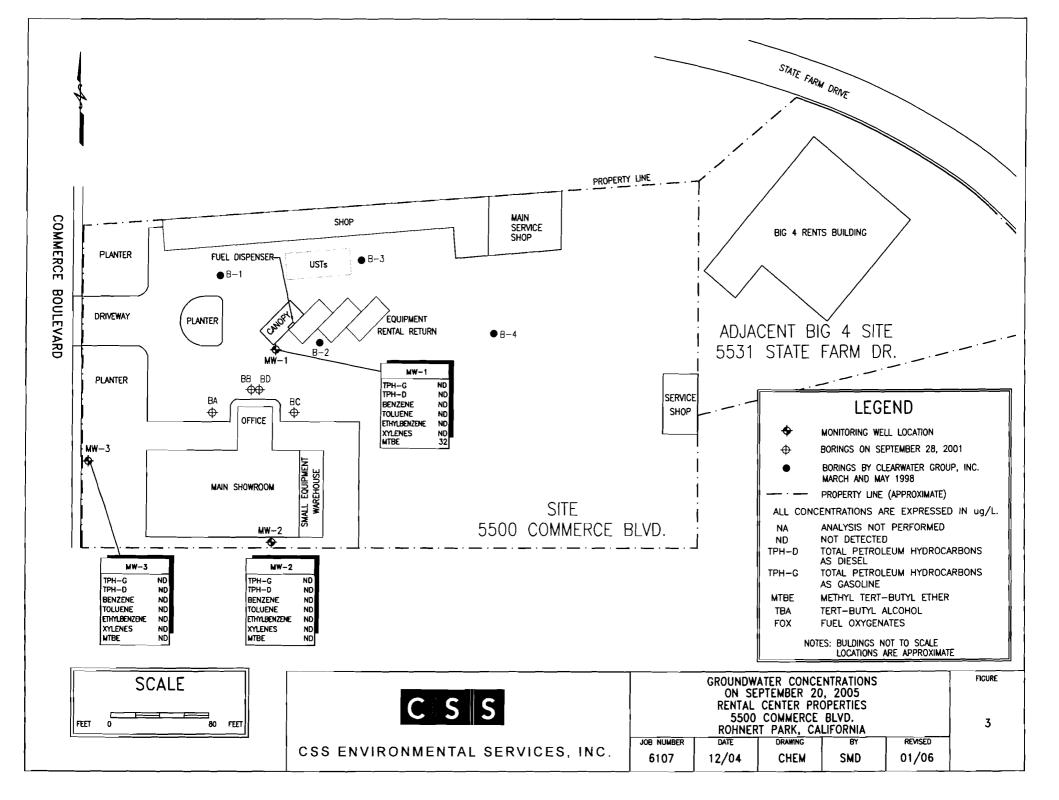
Third Quarter 20	005 Groundwater	Monitoring	Report
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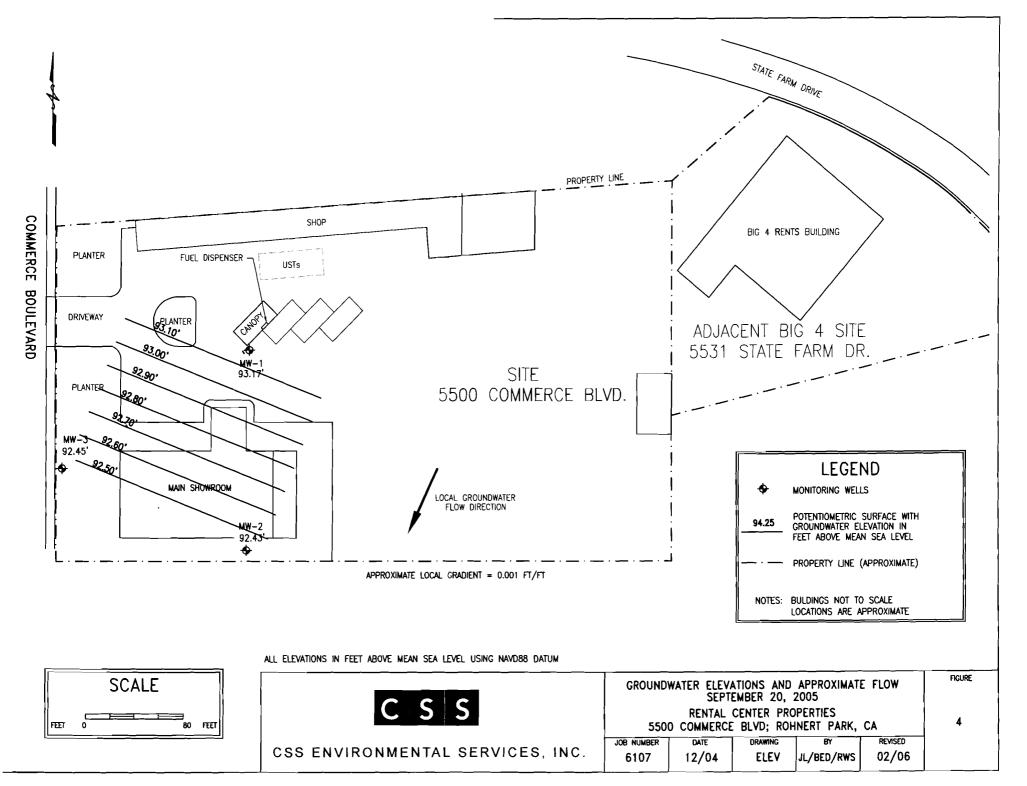
5500 Commerce Boulevard, Rohnert Park, CA

# **FIGURES**









Third Quarter 20	005 Groundwater	Monitoring	Report
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5500 Commerce Boulevard, Rohnert Park, CA

# **TABLES**



#### Table 1

#### Summary of Analytical Results Rental Center Properties - Hertz/Big 4 Rents 5500 Commerce Boulevard Rohnert Park, California 94927

FUEL OXYGENATES

											ENATES		
	Samping			<u> </u>	T	E	<u>X</u>	TBA	MTBE		ETBE	TAME	NO <sub>3</sub>
umber	Date		g/L)		(ug/l					(ug/L)			(mg/L)
	12/08/97	260	ND	ND	ND	ND	ND	NA	NA	NΛ	NA	NA	
(	02/28/98	300	ND	2.5	ND	ND	ND	NA	NA	NΛ	NΛ	NΛ	
(	04/15/98	220	ND	ND	ND	ND	ND	230	620	ND	ND	ND	
(	09/21/98	100	ND	ND	ND	ND	ND	ND	760	ND	ND	ND	
	12/11/98	280	ND	ND	ND	ND	ND	NA	520	NA	NA	NA	
	03/15/99	230	24,000	ND	ND	ND	ND	ND	550	ND	ND	ND	
	06/29/99	630	ND	ND	ND	ND	ND	ND	110	ND	ND	ND	
	10/06/99	240	86	ND	ND	ND	ND	ND	180	ND	ND	ND	
	12/08/99	395	ND	ND	ND	ND	ND	ND	131	ND	ND	ND	
	06/27/00	ND	ND	ND	ND	ND	ND	ND	170	ND	ND	ND	
	09/22/00	ND	ND	ND	ND	ND	ND	ND	160	ND	ND	ND	
												ND	
	03/21/01	120	74	1.5	1	ND	0.95	ND	160	ND	ND		
	06/04/01	570	ND	ND	ND	ND	ND	ND	75	ND	ND	ND	
	09/27/01	64 <sup>b</sup>	58	ND	ND	ND	ND	ND	50	ND	ND	ND	
	12/03/01	80	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	
	02/15/02	ND	ND	ND	ND	ND	ND	ND	88	ND	ND	ND	
	04/30/02	320	81	ND	ND	ND	ND	ND	55	ND	ND	ND	
	07/29/02	180	85	ND	ND	ND	ND	NA	NΛ	NA	NΑ	NA	
	10/21/02	250	80	ND	ND	ND	ND	NA	97	NΑ	NΑ	NA	
	02/20/03	220	ND	ND	ND	ND	ND	NA	34	NA	NΔ	NΑ	
	04/29/03	190	ND	ND	ND	ND	ND	5.1	49	<1	< 0.5	<0.5	
	09/10/03	78	59	ND	ND	ND	ND	NΛ	46	NΛ	NΛ	NA	
													NIA
	12/31/03	170	ND	ND	ND	ND	<1.0	NA	39	NΛ	NΛ	NΛ	NA
	02/24/04	320	53	ND	ND	ND	<1.0	NA	35	NΛ	NA	NA	$ND^d$
	06/18/04	150	ND	ND	ND	ND	<1.0	NA	18	NA	NA	NΑ	NA
	09/07/04	170	7.2	ND	ND	ND	< 1.0	NA	32	NA	NA	NΛ	NA
	12/17/04	97	86	ND	ND	ND	<1.0	NA	65	NA	NA	NA	NA
	03/24/05	200	66	ND	ND	ND	ND	NΑ	67	NA	NΑ	NA	NA
	06/23/05	77	52	ND	ND	ND	ND	NΛ	43	NA	NA	NA	N.A
	09/20/05	ND	ND	ND	ND	ND	ND	NΛ	32	NΛ	NΛ	NΑ	NA
MW-2	04/29/03	ND	ND	ND	ND	ND	ND	<5	< 0.5	<1	< 0.5	< 0.5	
	09/10/03	ND	57	ND	ND	ND	ND	NΛ	59	NΛ	NΛ	ΝΛ	
	12/31/03	ND	ND	ND	ND	ND	<1.0	NA	<0.5	NΑ	NΛ	NA	$ND^{c}$
	02/24/04	ND	ND	ND	ND	ND	<1.0	NA	<0.5	NA	NA	NΑ	1.5 <sup>d</sup>
	06/18/04	ND	ND	ND	ND	ND	<1.0	NA	24	NA	NΛ	NA	NA
	09/07/04	61	110	ND	ND	ND	<1.0	NA	82	NΑ	NA	NA	NA
	12/17/04	ND	ND	ND	ND	ND	<1.0	NA	ND	NA	NA	NA	NA
	03/24/05	ND	ND	ND	ND	ND	ND	NA	ND	NΛ	NA	NA	NA
	06/23/05	65	ND	ND	ND	ND	ND	NA	ND	NA	NA	NA	NA
	09/20/05	ND	ND	ND	ND	ND	ND	NΛ	ND	NΛ	NΛ	NA	NA
MW-3	04/29/03	ND	ND	ND	ND	ND	ND	< 5	0.54	< [	< 0.5	< 0.5	
	09/10/03	ND	ND	ND	ND	ND	ND	NA	ND	NA	NΛ	NΑ	
	12/31/03	ND	ND	ND	ND	ND	<1.0	NA	2.5	NΛ	NΛ	NΑ	$ND^{c}$
	02/24/04	ND	ND	ND	ND	ND	<1.0	NA	0.68	NA			1.2
	06/18/04	ND	ND	ND		ND	<1.0				NA NA	NA NA	
					ND			NA NA	< 0.5	NA NA	NA NA	NA NA	NA NA
	09/07/04	ND	ND	ND	ND	ND	< 1.0	NA	1.6	NA	NA	NA.	NΑ
	12/17/04	ND	ND	ND	ND	ND	ND	NA	4.6	NA	NΛ	NΛ	NΑ
	03/24/05	ND	ND	ND	ND	ND	ND	NA	ND	NΛ	NA	NA	NΛ
	06/23/05	91	ND	ND	ND	ND	ND	NA	ND	NΑ	NA	NΛ	NA
	09/20/05	ND	ND	ND	ND	ND	ND	NA	ND	NΛ	NA	NΛ	NA
	_												·
Reporting	Limit a	50	50	0.5	0.5	0.5	0.5	20	5.0	5.0	5.0	5.0	1.0

Page Lot 5



## Table 1

#### Summary of Analytical Results Rental Center Properties - Hertz/Big 4 Rents 5500 Commerce Boulevard Rohnert Park, California 94927

#### FUEL OXYGENATES

									CLL	OALO		.,		
Well	Samping	TPH-D	TPH-G	В	Т	E	X	TBA	MTBE	DIPE	ETBE	TAME	NO <sub>3</sub>	
Number	Date	Date	(ug	;/L)		(u	g/L)				(ug/L)			(mg/L)
	LEGEND													
	1PH D	Joial Petroleun	(11) drocarbons	as Diesel	ng I:	Micrograms per li	tei							
	IPH-G	Lotal Petroleun	i Hydrocarbons	as Casoline	NA.	Analysis not perfe	ormed							
	В	Bensene			ND	Not Detected at or	above Laboratory	reporting limit						
	1	Loulene												
	Γ	Lthythenzene			25	Laboratory reports	ing front for non-de	tections unless of	nerwise moted					
	\ \	Total Xylenes			h	Result based on 19	0:19-01 resample di	ae to laborators, ei	TOP					
	LB 4	tert-Butyl alcoh	rol		c	Result is of Nurite	c (NO <sub>2</sub> )							
	MTH	Methyl tert-but	vl ether		d	Sample collected in	on 03-26-04							
	DIPE	Di-isoporpyl Li	lber											
	EIBU	LibyLten-bursl	ether											
	TAME	tert Anix I meth	iy Lether											
	NO,	Nurate												



# **Historical Groundwater Elevation Data**

# **Rental Center Properties** Rohnert Park, California

_	Well	TOC Elevation <sup>a</sup> (feet)	Date	Groundwater Depth <sup>b</sup> (feet)	Groundwater Elevation (feet)
=	I.D.	Elevation (leet)	<u>Date</u>	(1661)	Elevation (leet)
5500	MW-1	96.73	06/18/1991	NA	NA
	[VI VV - I	90.73	07/15/1991	NA	NA
Commerce			07/26/1991	NA	NA
			06/29/1992	NA	NA
			07/14/1992	NA	NA
			08/25/1992	NA	NA
			09/24/1992	NA	NA
			10/19/1992	NA	NA
			11/25/1992	NA	NA
			01/07/1993	NA	NA
			02/12/1993	NA NA	NA NA
			12/23/1997	NA NA	NA NA
			02/27/1998	5.25	91.48
			04/15/1998	5.63	91.10
			04/15/1998	5.46	91.27
			06/28/1999	14.71	82.02
			10/06/1999	7.83	88.90
				7.37	89.36
			12/08/1999	7.37 7.99	89.30 88.74
			09/22/2000		90.53
			03/22/2001	6.20	
			06/29/2001	7.25	89.48
		00.21	09/27/2001	7.84	88.89
		99.31	12/03/2001	5.31	94.00
			02/15/2002	5.96	93.35
			04/30/2002	6.35	92.96
			07/29/2002	6.25	93.06
			10/21/2002	5.80	93.51
		00.45	02/20/2003	5.75	93.56
		99.45	04/28/2003	5.63	93.82
			04/29/2003	5.59	93.86
			09/10/2003	7.18	92.27
			12/31/2003	5.05	94.40
			02/24/2004	5.46	93.99
			06/18/2004	6.61	92.84
			09/07/2004	7.80	91.65
			12/17/2004	5.95	93.50
			03/24/2005	5.16	94.29
			06/23/2005	5.82	93.63
			09/20/2005	6.28	93.17

Table 2

## **Historical Groundwater Elevation Data**

# Rental Center Properties Rohnert Park, California

Well I.D.	TOC Elevation <sup>a</sup> (feet)	Date	Groundwater Depth <sup>b</sup> (feet)	Groundwater Elevation (feet)
MW-2	98.83	04/28/2003	5.14	93.69
141 17 2	70.03	04/29/2003	4.91	93.92
		09/10/2003	7.53	91.30
		12/31/2003	4.31	94.52
		02/24/2004	4.94	93.89
		06/18/2004	7.04	91.79
		09/07/2004	7.86	90.97
		12/17/2004	5.11	93.72
		03/24/2005	4.56	94.27
		06/23/2005	5.51	93.32
		09/20/2005	6.40	92.43
MW-3	97.96	04/28/2003	4.34	93.62
11211	22	04/29/2003	4.02	93.94
		09/10/2003	6.34	91.62
		12/31/2003	3.51	94.45
		02/24/2004	4.40	93.56
		06/18/2004	6.11	91.85
		09/07/2004	7.00	90.96
		12/17/2004	5.96	92.00
		03/24/2005	3.92	94.04
		06/23/2005	4.99	92.97
		09/20/2005	5.51	92.45

Legend

a. TOC: top of well casing elevation above Mean Sea Level (MSL)
Surveyed to MSL using NAVD88 datum

b. Measured from TOC with an electric well sounder.

NA Well not measured

# APPENDIX A Laboratory Reports Chain of Custody Documentation



## **CSS Environmental Services**

October 07, 2005

100 Galli Drive, Suite 1 Novato, CA 94949

Attn.: Terry Carter

Project#: 6107

Project: RCP Commerce

Dear Mr. Carter,

Attached is our report for your samples received on 09/26/2005 12:40 This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 11/10/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,

Dimple Sharma

Project Manager

haema



# Fuel Oxygenates by 8260B

CSS Environmental Services

Attn.: Terry Carter

100 Galli Drive, Suite 1 Novato, CA 94949

Phone: (415) 883-6203 Fax: (415) 883-6304

Project: 6107

RCP Commerce

Received: 09/26/2005 12:40

## Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	09/20/2005 16:15	Water	1
MW-2	09/20/2005 14:55	Water	2
MW-3	09/20/2005 15:40	Water	3

Page 1 of 7



# Fuel Oxygenates by 8260B

CSS Environmental Services

Attn.: Terry Carter

100 Galli Drive, Suite 1 Novato, CA 94949

Phone: (415) 883-6203 Fax: (415) 883-6304

Project: 6107

**RCP Commerce** 

Received: 09/26/2005 12:40

Prep(s):

5030B

Test(s):

8260B

Sample ID: MW-1

Lab ID:

2005-09-0657 - 1

Sampled: 09/20/2005 16:15

\_u\_ ...

9/28/2005 12:01

Matrix: Water

Extracted:

QC Batch#: 2005/09/28-01.64

pH: <2

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/28/2005 12:01	
Methyl tert-butyl ether (MTBE)	32	0.50	ug/L	1.00	09/28/2005 12:01	
Benzene	ND	0.50	ug/L	1.00	09/28/2005 12:01	
Toluene	ND	0.50	ug/L	1.00	09/28/2005 12:01	
Ethylbenzene	ND	0.50	ug/L	1.00	09/28/2005 12:01	
Total xylenes	ND	1.0	ug/L	1.00	09/28/2005 12:01	
Surrogate(s)						
1,2-Dichloroethane-d4	100.1	73-130	%	1.00	09/28/2005 12:01	
Toluene-d8	108.4	81-114	%	1.00	09/28/2005 12:01	



# Fuel Oxygenates by 8260B

**CSS Environmental Services** 

Attn.: Terry Carter

100 Galli Drive, Suite 1 Novato, CA 94949

Phone: (415) 883-6203 Fax: (415) 883-6304

Project: 6107

**RCP Commerce** 

Received: 09/26/2005 12:40

Prep(s): 5030B Test(s): 8260B

 Sample ID:
 MW-2
 Lab ID:
 2005-09-0657 - 2

 Sampled:
 09/20/2005 14:55
 Extracted:
 9/28/2005 12:43

 Matrix:
 Water
 QC Batch#:
 2005/09/28-01.64

pH: <2

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/28/2005 12:43	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	09/28/2005 12:43	
Benzene	ND	0.50	ug/L	1.00	09/28/2005 12:43	
Toluene	ND	0.50	ug/L	1.00	09/28/2005 12:43	
Ethylbenzene	ND	0.50	ug/L	1.00	09/28/2005 12:43	
Total xylenes	ND	1.0	ug/L	1.00	09/28/2005 12:43	
Surrogate(s)						
1,2-Dichloroethane-d4	101.7	73-130	%	1.00	09/28/2005 12:43	
Toluene-d8	104.1	81-114	%	1.00	09/28/2005 12:43	



# Diesel

**CSS Environmental Services** 

Attn.: Terry Carter

100 Galli Drive, Suite 1 Novato, CA 94949

Phone: (415) 883-6203 Fax: (415) 883-6304

Project: 6107

**RCP Commerce** 

Received: 09/26/2005 12:40

# Samples Reported

Sample Name	Date Sampled	Matrix	Lab#
MW-1	09/20/2005 16:15	Water	1
MW-2	09/20/2005 14:55	Water	2
MW-3	09/20/2005 15:40	Water	3



## Diesel

**CSS Environmental Services** 

Attn.: Terry Carter

100 Galli Drive, Suite 1 Novato, CA 94949

Phone: (415) 883-6203 Fax: (415) 883-6304

Project: 6107

Matrix:

RCP Commerce

Received: 09/26/2005 12:40

Prep(s): 3510/8015M

Sample ID: MW-1

Sampled: 09/20/2005 16:15

Water

Test(s): 8015M

Lab ID:

2005-09-0657 - 1

Extracted:

9/30/2005 07:00 QC Batch#: 2005/09/30-01.10

Compound	Conc,	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	ND	50	ug/L	1.00	10/03/2005 12:29	
Surrogate(s)						
o-Terphenyl	69.3	60-130	%	1.00	10/03/2005 12:29	



# Diesel

CSS Environmental Services

Attn.: Terry Carter

100 Galli Drive, Suite 1 Novato, CA 94949

Phone: (415) 883-6203 Fax: (415) 883-6304

Project: 6107

**RCP Commerce** 

Received: 09/26/2005 12:40

Prep(s): 3510/8015M

Sample ID: MW-2

Sampled: 09/20/2005 14:55

Matrix: Water Test(s): 8015M

Lab ID:

2005-09-0657 - 2

Extracted:

9/30/2005 07:00 QC Batch#: 2005/09/30-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	ND	50	ug/L	1.00	10/03/2005 12:57	
Surrogate(s)						
o-Terphenyl	84.3	60-130	%	1.00	10/03/2005 12:57	



## Diesel

**CSS Environmental Services** 

Attn.: Terry Carter

100 Galli Drive, Suite 1 Novato, CA 94949

Phone: (415) 883-6203 Fax: (415) 883-6304

Project: 6107

RCP Commerce

Received: 09/26/2005 12:40

Prep(s): 3510/8015M

Sample ID: MW-3

Sampled: 09/20/2005 15:40

Matrix: Water Test(s):

8015M Lab ID: 2005-09-0657 - 3

9/30/2005 07:00 Extracted:

QC Batch#: 2005/09/30-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	ND	50	ug/L	1.00	10/03/2005 13:24	
Surrogate(s)						
o-Terphenyl	73.8	60-130	%	1.00	10/03/2005 13:24	



# Diesel

**CSS Environmental Services** 

Attn.: Terry Carter

100 Galli Drive, Suite 1 Novato, CA 94949

Phone: (415) 883-6203 Fax: (415) 883-6304

Project: 6107

RCP Commerce

Received: 09/26/2005 12:40

## **Batch QC Report**

Prep(s): 3510/8015M Method Blank

MB: 2005/09/30-01.10-004

Water

Test(s): 8015M **QC Batch # 2005/09/30-01.10** 

Date Extracted: 09/30/2005 07:00

Compound	Conc.	RL	Unit	Analyzed	Flag
DRO (C10-C28)	ND	50	ug/L	09/30/2005 16:36	
Surrogates(s) o-Terphenyl	82.8	60-130	%	09/30/2005 16:36	



## Diesel

CSS Environmental Services

Attn.: Terry Carter

100 Galli Drive, Suite 1 Novato, CA 94949

Phone: (415) 883-6203 Fax: (415) 883-6304

Project: 6107

**RCP Commerce** 

Received: 09/26/2005 12:40

# **Batch QC Report**

Prep(s): 3510/8015M **Method Blank MIN SPT** 

Water

Test(s): 8015M QC Batch # 2005/09/30-01.10

MB: 2005/09/30-01.10-007

Date Extracted: 09/30/2005 07:60

Compound	Conc.	RL	Unit	Analyzed	Flag
DRO (C10-C28)	ND	50	ug/L	10/03/2005 11:34	
Surrogates(s)					
o-Terphenyl	81.2	60-130	%	10/03/2005 11:34	



## Diesel

**CSS Environmental Services** 

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Project: 6107

LCS

LCSD

**RCP Commerce** 

Received: 09/26/2005 12:40

## Batch QC Report

Prep(s): 3510/8015M Test(s): 8015M

**Laboratory Control Spike** 

.....

2005/09/30-01.10-005 2005/09/30-01.10-006 Water

Extracted: 09/30/2005 Extracted: 09/30/2005 QC Batch # 2005/09/30-01.10 Analyzed: 09/30/2005 17:04

Analyzed: 09/30/2005 17:31

Compound	Conc. ug/L I		Exp.Conc.	Recov	Recovery %		Ctrl.Lim	nits %	Flags		
'	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD	
DRO (C10-C28)	794	816	1000	79.4	81.6	2.7	60-130	25			
Surrogates(s) o-Terphenyl	15.6	15.8	20.0	78.0	79.0		60-130	0			



# Fuel Oxygenates by 8260B

**CSS Environmental Services** 

Attn.: Terry Carter

100 Galli Drive, Suite 1 Novato, CA 94949

Phone: (415) 883-6203 Fax: (415) 883-6304

Project: 6107

**RCP Commerce** 

Received: 09/26/2005 12:40

Prep(s): 5030B

Sample ID: MW-3

Sampled: 09/20/2005 15:40

Matrix: Water

pH: <2

Test(s): 8260B

Lab ID: 2005-09-0657 - 3

Extracted: 9/28/2005 13:04

QC Batch#: 2005/09/28-01.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/28/2005 13:04	I
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	09/28/2005 13:04	
Benzene	ND	0.50	ug/L	1.00	09/28/2005 13:04	
Toluene	ND	0.50	ug/L	1.00	09/28/2005 13:04	
Ethylbenzene	ND	0.50	ug/L	1.00	09/28/2005 13:04	
Total xylenes	ND	1.0	ug/L	1.00	09/28/2005 13:04	
Surrogate(s)						
1,2-Dichloroethane-d4	104.6	73-130	%	1.00	09/28/2005 13:04	
Toluene-d8	106.8	81-114	%	1.00	09/28/2005 13:04	



# Fuel Oxygenates by 8260B

**CSS Environmental Services** 

Attn.: Terry Carter

100 Galli Drive, Suite 1 Novato, CA 94949

Phone: (415) 883-6203 Fax: (415) 883-6304

Project: 6107

**RCP** Commerce

Received: 09/26/2005 12:40

# **Batch QC Report**

 Prep(s): 5030B
 Test(s): 8260B

 Method Blank
 Water
 QC Batch # 2005/09/28-01.64

 MB: 2005/09/28-01.64-035
 Date Extracted: 09/28/2005 08:35

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/28/2005 08:35	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	09/28/2005 08:35	
Benzene	ND	0.5	ug/L	09/28/2005 08:35	
Toluene	ND	0.5	ug/L	09/28/2005 08:35	
Ethylbenzene	ND	0.5	ug/L	09/28/2005 08:35	
Total xylenes	ND	1.0	ug/L	09/28/2005 08:35	
Surrogates(s)					
1,2-Dichloroethane-d4	96.4	73-130	%	09/28/2005 08:35	
Toluene-d8	105.6	81-114	%	09/28/2005 08:35	



# Fuel Oxygenates by 8260B

CSS Environmental Services

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Phone: (415) 883-6203 Fax: (415) 883-6304

Project: 6107

LCS

LCSD

**RCP** Commerce

Received: 09/26/2005 12:40

# **Batch QC Report**

Water

Prep(s): 5030B Test(s): 8260B

## **Laboratory Control Spike**

2005/09/28-01.64-014 2005/09/28-01.64-046 Extracted: 09/28/2005

QC Batch # 2005/09/28-01.64

Extracted: 09/28/2005

Analyzed: 09/28/2005 08:14 Analyzed: 09/28/2005 09:46

Compound	Conc. ug/L E		Exp.Conc.	Recovery %		RPD	Ctrl.Lim	nits %	Flags		
	LCS	LCSD		LCS _	LCSD	%	Rec.	RPD	LCS	LCSD	
Methyl tert-butyl ether (MTBE) Benzene Toluene	24.3 27.4 27.1	24.1 27.6 27.4	25.0 25.0 25.0	97.2 109.6 108.4	96.4 110.4 109.6	0.8 0.7 1.1	65-165 69-129 70-130	20 20 20			
Surrogates(s) 1,2-Dichloroethane-d4 Toluene-d8	482 546	479 527	500 500	96.4 109.2	95.8 105.4		73-130 81-114				



# Fuel Oxygenates by 8260B

**CSS Environmental Services** 

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Phone: (415) 883-6203 Fax: (415) 883-6304

Project: 6107

RCP Commerce

Received: 09/26/2005 12:40

# **Batch QC Report**

Prep(s): 5030B Test(s): 8260B

Matrix Spike ( MS / MSD ) Water QC Batch # 2005/09/28-01.64

MS/MSD Lab ID: 2005-09-0671 - 003

MS: 2005/09/28-01.64-038 Extracted: 09/28/2005 Analyzed: 09/28/2005 10:38

Dilution: 1.00

MSD: 2005/09/28-01.64-058 Extracted: 09/28/2005 Analyzed: 09/28/2005 10:58

Dilution: 1.00

Compound	Conc.	ug	/L	Spk.Level	R	ecovery	%	Limits	%	Fla	ags
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	26.0	23.9	ND	25.0	104.0	95.6	8.4	65-165	20		
Benzene	29.5	28.4	ND	25.0	118.0	113.6	3.8	69-129	20		
Toluene	29.0	28.4	ND	25.0	116.0	113.6	2.1	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	522	499		500	104.4	99.8		73-130			
Toluene-d8	552	551		500	110.4	110.2		81-114			

SEVERN SERVICES

1220 Quarry Lane • Pleasanton CA 94566-4756 Phone: (925) 484-1919 • Fax: (925) 484-1096

STL San Francisco Phone: (925) 484-1919 • Fax: (925) 484-1919 • Fa

Date 7.20.05 Page

Report: © Routine © Level 3 Special Instructions / Comments Clob-   FO - 706	T \$td 5 72h 48h	Credit Card#:	Project#: (2 / 6 7)	Project Name:	Project Info.					14w-3	MW-2	Mw-1	Attn: Sample ID	Bill To:	Phone:415-457-9551	Address: 95 Belvedere St, #2 San Rafael, CA 94901	Company: CSS Environmental Services, Inc	Altn: Terry Co
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